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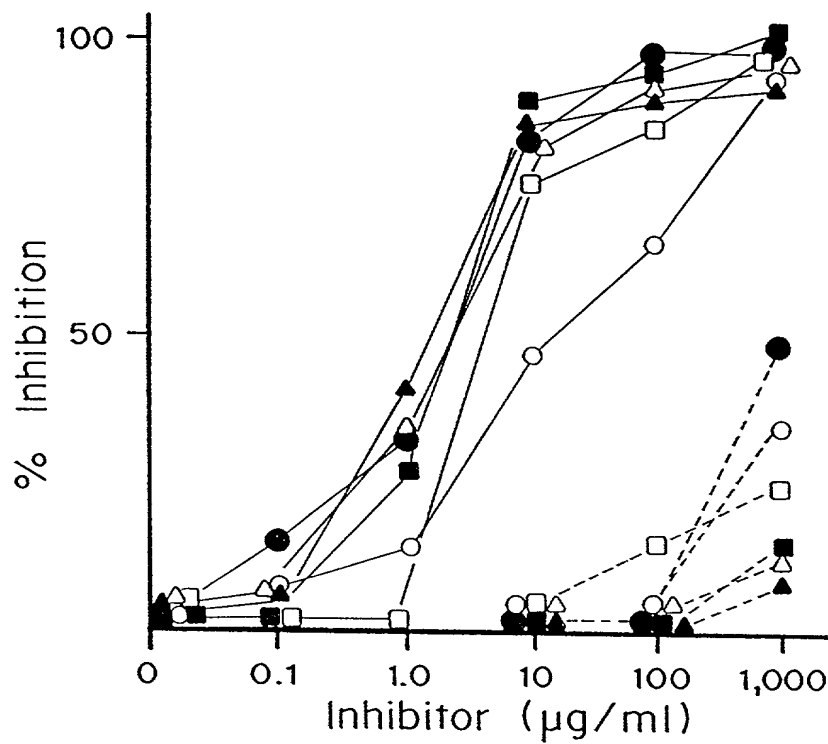


FIG. 1

FIG. 2a

GGT GAA GAA GGA GTT GTG CCA GCA CGT GAG TAC TCA GAC GAT CGT 45
Gly Glu Glu Gly Val Val Pro Ala Arg Glu Tyr Ser Asp Asp Arg [15]

AAC ATC AAC CTG GCA GAC GAA TTA AAA ATT GGT GAT ACC ATT GAA 90
Asn Ile Asn Leu Ala Asp Glu Leu Lys Ile Gly Asp Thr Ile Glu [30]

GCA GTT GTC ATT TCT AAC GTA ACA AGC GAC AAG GAA GGC GTC AGT 135
Ala Val Val Ile Ser Asn Val Thr Ser Asp Lys Glu Gly Val Ser [45]

TAC TTG TTG TCA AAG AAG CGT TTG GAT GCG CGC AAG GCA TGG GAA 180
Tyr Leu Leu Ser Lys Lys Arg Leu Asp Ala Arg Lys Ala Trp Glu [60]

AAC TTG AGC TTT GCT GAA GGT GAC ACA GTT GAT GCC AAG GTT ATC 225
Asn Leu Ser Phe Ala Glu Gly Asp Thr Val Asp Ala Lys Val Ile [75]

AAC GCT GTT CGT GGT GGT TTG ATT GTT GAT GTT AAC GGC GTA CGT 270
Asn Ala Val Arg Gly Gly Leu Ile Val Asp Val Asn Gly Val Arg [90]

GGT TTC GTA CCA GCA TCA ATG GTT GCA GAA CGT TTC GTT TCT GAT 315
Gly Phe Val Pro Ala Ser Met Val Ala Glu Arg Phe Val Ser Asp [105]

TTG AAC CAA TTC AAG AAT AAG GAT ATT AAA GCA CAA GTT ATC GAA 360
Leu Asn Gln Phe Lys Asn Lys Asp Ile Lys Ala Gln Val Ile Glu [120]

ATT GAC CCT GCT AAT GCA CGT TTG ATT TTG TCA CGT AAG GCT GTT 405
Ile Asp Pro Ala Asn Ala Arg Leu Ile Leu Ser Arg Lys Ala Val [135]

GCT GCA CAA GAA CGC GCT GCA CGA TTG GCT GAA GTA TTT AGC AAG 450
Ala Ala Gln Glu Arg Ala Ala Gln Leu Ala Glu Val Phe Ser Lys [150]

TTG TCA GTT CGT GAA GTT GTT GAA GGA ACT GTT GCC CGT TTG ACA 495
Leu Ser Val Gly Glu Val Val Glu Gly Thr Val Ala Arg Leu Thr [165]

GAC TTC GGC GCA TTC GTT GAC TTG GGT GGT GTT GAT GGT TTG GTT 540
Asp Phe Gly Ala Phe Val Asp Leu Gly Gly Val Asp Gly Leu Val [180]

CAC GTA TCA GAA ATC TCA CAC GAT CGT GTG AAG AAC CCG GCC GAT 585
His Val Ser Glu Ile Ser His Asp Arg Val Lys Asn Pro Ala Asp [195]

GTA TTG ACA AAG GGT GAC AAG GTT GAT GTT AAG ATC TTG GCA TTG 630
Val Leu Thr Lys Gly Asp Lys Val Asp Val Lys Ile Leu Ala Leu [210]

GAC ACT GAA AAG GGT CGT ATC TCA TTG TCA ATC AAA GCA ACA CAA 675
Asp Thr Glu Lys Gly Arg Ile Ser Leu Ser Ile Lys Ala Thr Gln [225]

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FIG. 2b

[illegible]

HS1	63	SFAEGD	T	DAKVIN	AVRGGL	I	VDVNGV	RGVFP	ASPMVA	ERFV	SDLNQ	FNKD	IKAQV	IEI	121
ES1	101	AYEDAE	--	TGVING	K-K	--	FT-ELD	-I-A-L	G-L	DV-P	R-R	TLHLEG	-ELEFK	--	KL 159
RS1	107	K-EA-ER	-EG	IIF-Q	-K--	FT--	LD-AVA	-L-R	-Q-DI	-PIR	-VTPADA	QPAAL	RNLKM	165	
PS1	1	E--	TGVING	K-K	--	FT-EL	-I-A-L	G-L	DV-P	R-R	TLHLEG	-ELEFK	--	KL 54	
CS1	182	--	DVW-KG	-IVG	NK--	VVAL	-E-L-	----	F-Q	I	SSK	-SAEELLE	-E-PLKFV	-V 236	
									a		b		c		
									****		*****		***		
HS1	122	DPANAR	LILSR	KAVAAQ	ERAAQ	LA	EVFSK	LSVGE	WEGT	VARL	TDFGA	FVDLGG	V	180	
ES1	160	-QKRNN	VV--	R-IES	-NS	-ERDQ	LLEN-QE	-ME	-K-I	-KN-	--Y-	-----	--L 218		
RS1	166	-KRRG	NIW--	RT-LEES	--E	-RS-IV	QN-EE	-Q--	--V-	-KNI-	-Y-----	-I--L 224			
PS1	55	-QKRNN	VV--	R-IES	-SS	-ERDQ	LLEN-QE	-ME	-K-I	-KN-	--Y-	-----	--L 113		
CS1	237	-EEQS--	VM-NR	KAM-DSQ	-M-	DSQAQ	-GI-S-T-	--QS	-KPY--	-I-I--	-I-N--	--L 287			
									e						
									****		*****				
HS1	181	HVSEISH	DRVKN	PADVL	TGDK	KVDV	KILALD	TEKGR	ISLS	IKATQ	RGPW	DEAAD	QIAAG	239	
ES1	219	-ITDMA	WKK--	H-SEIV	NV--	E	IT--	V-KF	-R-RT	-V--	GL-QL	GED--	-VAL	-KRYPE- 277	
RS1	225	--	TDMAWR	--H-SEI	QNI--	QQ-K	-Q-IRINQ	-TH--	--GM	-QLESD	---GIGAK	YPV-	283		
PS1	114	-ITDMA	WKK--	H-SEIV	NV--	E	IT--	V-KF	-R-RT	-V--	GL-QL	GED--	-VAL	-KRYPE- 172	
CS1	288	---Q	-----	-SDI	-T-QP	--	TLK	-M--	SH-R	-R--	V--	-T-KLEPT	-G-	337	
									d				e		
									****		*****		***		
									a		b		c		
									****		*****		***		

FIG. 3b

HS1	240	SVLEGT	KRVKDF	GAFVEIL	P	GIEGLVHVSQISNKRIENPSEVLKSGDKVQVKVLDIKP	298
ES1	278	TK-T	-R-	TNLT	-Y-	C-----EE-V-----EM RD-V-DATL--SV--E-EA-FTGVDR	510
RS1	284	KKIS	---	TNIT	-Y-	-----LE-----I-I-EM -RPG-QVI-EFNK--V-RAV---VDV	430
PS1	173	TK-T	-R-	TNLT	-Y-	C-----EE-V-----EM -K--EIAAV--QVDA	319

e

HS1	299	AEERIS	LSMKALEEKPERE	317
ES1	511	KNRA	---VR-KD-AD-KD	529
RS1	431	DK	-----GI-QL	442
PS1	320	ER	-----GV-QLA-DP	335

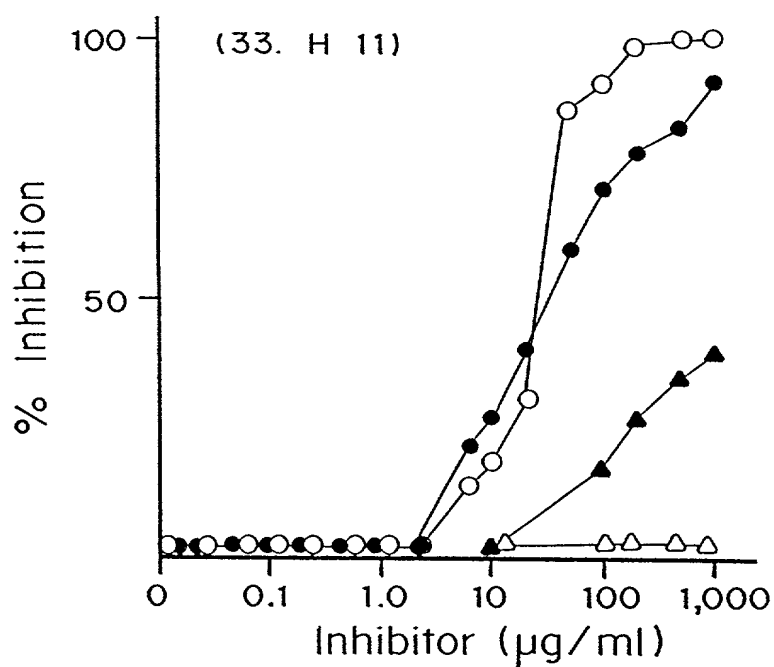


FIG. 4a

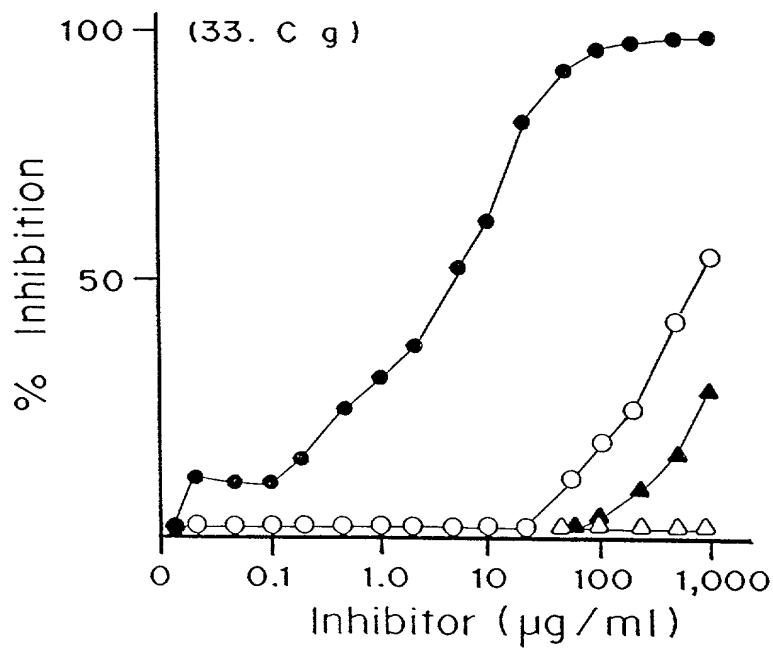


FIG. 4b

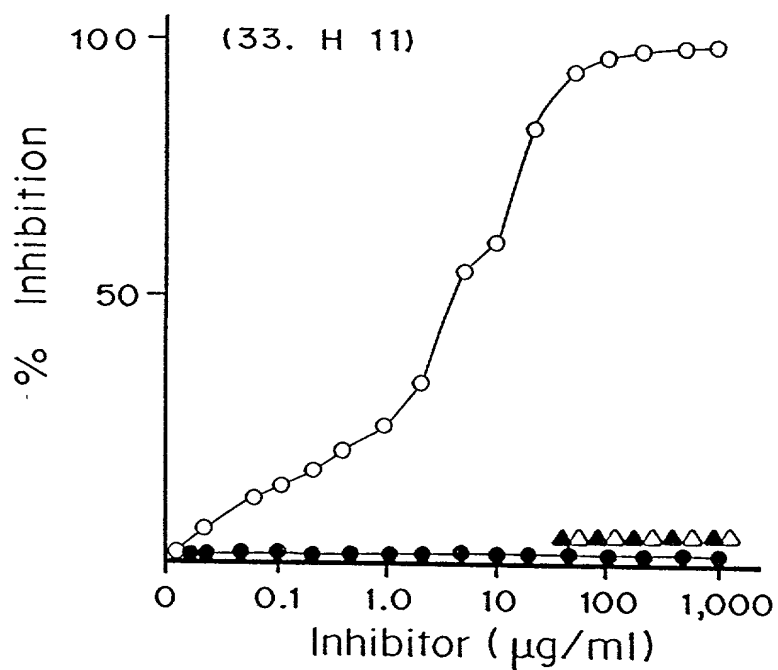


FIG. 4c

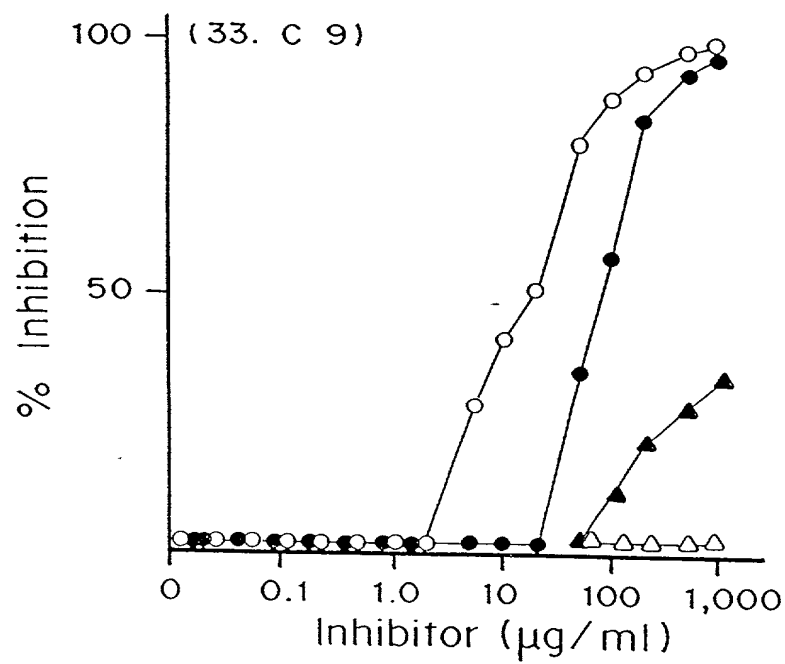


FIG. 4d